

**From:** [Eric Blischke](#)  
**To:** [Jim.McKenna@portofportland.com](#); [rjw@nwnatural.com](#); [ricka@bes.ci.portland.or.us](#)  
**Cc:** [Helle B. Andersen](#); [Lisa Saban](#); [Joe Goulet](#); [Dana Davoli](#); [Chip Humphrey](#); [kpine@integral-corp.com](#)  
**Subject:** RE: Lamprey and mussel information  
**Date:** 05/25/2006 02:09 PM

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All, after looking over the table provided by Helle Anderson earlier, we agree with the freshwater mussel samples selected for analysis. In addition, we have proposed a number of additional analyses to take advantage of the fact that freshwater mussels were collected at numerous locations throughout the Portland Harbor study area. For lamprey, all individual lampreys should be composited into one sample and analyzed pesticides/PCBs and percent moisture.

Station ID	Location	Analyses	Rationale
BT006	Head of Int'l Slip	All analyses shown on table	Source of metals and PCB contamination; sufficient tissue mass available; off-channel habitat.
BT015	GASCO	Axys Analyses, PAHs, % moisture	Source of PAHs; downstream from pesticide and dioxin source; original location proposed by EPA
BT017	Arkema (Downstream)	Axys Analyses, PAHs, % moisture	Source of pesticides and dioxin; upstream from PAH sources
BT033	Goldendale	Axys Analyses and PAHs at a minimum; if sufficient mass is available, add the following analyses in order of priority: Other metals, % moisture, phthalates/SVOCs, TBTs, mercury.	Upstream location along east side of river.

Note: Axys Analyses includes Pesticides, PCBs and Dioxins and Furans

EPA understands that all station locations with the exception of Wheeler Bay are the western pearlshell mussel (*Margaritifera falcata*) and that the Wheeler Bay location is the winged floater (*Anodonta nuttalliana*). However, mussel shells should be saved to confirm species identification if necessary. If you have any questions, please contact Chip or myself.

Thanks, Eric

▼ ["Helle B. Andersen" <helleb@windwardenv.com>](#)

"Helle B. Andersen"  
<helleb@windwardenv.com>

04/11/2006 09:48 AM

To: Eric Blischke/R10/USEPA/US@EPA  
cc: Lisa Saban <lisas@windwardenv.com>  
Subject: RE: Lamprey and mussel information

Eric,  
Attached please find the requested information on the mussels and  
lamprey ammocoetes collected during the benthic invertebrate sampling  
effort last winter.  
Helle

-----Original Message-----  
From: Blischke.Eric@epamail.epa.gov  
[mailto:Blischke.Eric@epamail.epa.gov]  
Sent: Wednesday, December 21, 2005 2:37 PM  
To: Helle B. Andersen  
Subject: Re: Lamprey and mussel information

Thanks.

Eric

"Helle  
B.  
Andersen"  
To: <helleb@windward  
env.com> Eric  
Blischke/R10/USEPA/US@EPA, Joe  
Goulet/R10/USEPA/US@EPA  
12/21/2005 09:59  
cc Lisa  
Saban  
<lisas@windwardenv.com>  
Subject  
Lamprey and mussel  
information

Eric and Joe,  
Attached please find summary tables and pictures of the lamprey and  
mussels collected during the clam sampling effort. The identification  
of  
the mussels is tentative - Jessie Bennings from Parametrix took some  
empty shells with him and he will identify them when he has time.  
Please  
give me a call if you have any questions. I will send out the clam  
information as soon as I have completed the summary table.  
Helle

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Helle B. Andersen  
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